113 8186

Please type a plus sign (+) inside this box ——

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/006,293	RECEIVE
Filing Date	December 6, 2001	HEGEIA
First Named Inventor	Kavanagh, Thomas	DEC 0 9 20
Group Art Unit	2818	
Examiner Name	Not Assigned	Technology Cente
Attorney Docket Number	CIE-0056 (21216-06)	

			- CIE-0030 (1			
I hereby appoint: Practitioners at Customer Number OR Place Customer Number Bar Code Label here				ımber Bar Code		
Practitioner(s) na	amed below:			_		
Name			Registration Number			
David L. Soltz	David L. Soltz		34,731			
Michael R. Cammarata			39,491			
David A. Fox			38,807	1		
as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.						
Please change the correspondence address for the above-identified application to: The above-mentioned Customer Number. OR Practitioner(s) at Customer Number. Place Customer Number Bar Code Label here						
Firm <i>or</i> Individual Name	CIENA Corporation					
Address	1201 Winterson Road					
Address						
City	Linthicum,	State	MD	Zip 21090		
Country	USA					
Telephone	410-694-5763		410-865-8001			
I am the: ☐ Applicant/Inventor. ☐ Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96). SIGNATURE of Applicant or Assignee of Record						
SIGNATURE of Applicant or Assignee of Record						
Name Russell B. Stevenson, Jr., Senior Vice President and General Counsel						
Signature At Attach						
Date 11/14/02						
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple						
☑ *Total ofOne (1) forms are submitted.						

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/96 (2-98)
Approved for use through 09/30/2000. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

	Patent and Trademark Office; U.S. DEPARTMENT OF COI sons are required to respond to a collection of information unless it displays a valid OMB control.
STA1	TEMENT UNDER 37 CFR 3.73(b)
Applicants Thomas Kavanagh	7 - 3. C. C. C.
Application No.: <u>10/006,293</u>	
Entitled: Management of Memory for Providi	ing Data Storage Across a Reboot
CIENA Corporation	, a <u>corporation</u>
(Name of Assignee)	(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
tates that it is:	RECEIVED
. the assignee of the entire right, title, an	nd interest; or DEC 0 9 2002
2. an assignee of an undivided part intere	st Technology Center 2
n the patent application identified above by virtu	
	nt application identified above, to the current assignee as shown below:
1. From: ONI Systems Corp. The document was recorded in the Pate Reel From: Thomas Kavanagh The document was recorded in the Pate	To: CIENA Corporation ent and Trademark Office at _, or for which a copy thereof is attached. To: ONI Systems Corp. ent and Trademark Office at
1. From: ONI Systems Corp. The document was recorded in the Pate Reel Prom: Thomas Kavanagh The document was recorded in the Pate Reel Reel The document was recorded in the Pate Reel Reel O12363 Frame O080	To: CIENA Corporation ent and Trademark Office at _, or for which a copy thereof is attached. To: ONI Systems Corp. ent and Trademark Office at _, or for which a copy thereof is attached.
1. From: ONI Systems Corp. The document was recorded in the Pate Reel From: Thomas Kavanagh The document was recorded in the Pate	To: CIENA Corporation ent and Trademark Office at _, or for which a copy thereof is attached. To: ONI Systems Corp. ent and Trademark Office at _, or for which a copy thereof is attached. To:
1. From: ONI Systems Corp. The document was recorded in the Pate Reel Frame 2. From: Thomas Kavanagh The document was recorded in the Pate Reel 012363, Frame 0080 3. From: Thomas Kavanagh The document was recorded in the Pate Reel 012363, Frame 0080 The document was recorded in the Pate	To: CIENA Corporation ent and Trademark Office at _, or for which a copy thereof is attached. To: ONI Systems Corp. ent and Trademark Office at _, or for which a copy thereof is attached. To:
1. From: ONI Systems Corp. The document was recorded in the Pate Reel Frame 2. From: Thomas Kavanagh The document was recorded in the Pate Reel 012363, Frame 0080 3. From: The document was recorded in the Pate	To: CIENA Corporation ent and Trademark Office at _, or for which a copy thereof is attached. To: ONI Systems Corp. ent and Trademark Office at _, or for which a copy thereof is attached. To:ent and Trademark Office at
1. From: ONI Systems Corp. The document was recorded in the Pate Reel Frame 2. From: Thomas Kavanagh The document was recorded in the Pate Reel 012363, Frame 0080 3. From: Frame 1 0080 3. From: Frame 1 0080 [] Additional documents in the chain of title of the Country of	To:
1. From: ONI Systems Corp. The document was recorded in the Pate Reel Frame 2. From: Thomas Kavanagh The document was recorded in the Pate Reel 012363, Frame 0080 3. From: Thomas Kavanagh The document was recorded in the Pate Reel 12363, Frame 1080 [] Additional documents in the chain of title of the University o	To:
1. From: ONI Systems Corp. The document was recorded in the Pate Reel Frame 2. From: Thomas Kavanagh The document was recorded in the Pate Reel 012363, Frame 0080 3. From: Thomas Kavanagh The document was recorded in the Pate Reel 7. Frame 1. Additional documents in the chain of title of the undersigned (whose title is supplied below) is empt.	To:
1. From: ONI Systems Corp. The document was recorded in the Pate Reel Frame 2. From: Thomas Kavanagh The document was recorded in the Pate Reel 012363, Frame 0080 3. From: Thomas Kavanagh The document was recorded in the Pate Reel 7. Frame 1. Additional documents in the chain of title of the undersigned (whose title is supplied below) is empt.	To:

DEC 0 2 2002

PTO/SB/92 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

RECEIVED

Certificate of Mailing under 37 CFR 1.8

DEC 0 9 2002

Technology Center 21 00

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Assistant Commissioner for Patents
Washington, D.C. 20231

On Septemberr 10, 2002

Date

Signature

Karey L. Congdon

Typed or printed name of person of signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Burden Hour Statement: This form is estimated to take 0.03 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

FORM PTO-1595 (Modified)
(Rav. 03-01)
OMB No. 0651-0027 (exp.5/31/2002)
POB/REV03

RECORDATION FORM COVER SHEET

PATENTS ONLY

No.: CIE-0000

U.S. DEPARTMENT OF COMMERCE

S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Tab settings → → ▼ T; TRADE ▼	Y Y Y Y
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
Name of conveying party(ies): ONI Systems Corp.	2. Name and address of receiving party(ies):
	Name: CIENA Corporation
	Internal Address: RECEIVED
Additional names(s) of conveying party(ies)	DEC 0 9 2002
3. Nature of conveyance:	Technology Center 2100
☐ Assignment ⊠ Merger	Street Address: 1201 Winterson Road
☐ Security Agreement ☐ Change of Name	
C) Other	City: Linthicum State: MD 71P: 21090
	City: Linthicum State: MD ZIP: 21090
Execution Date: 6/21/02	Additional name(s) & address(es) attached? Yes No
4. Application number(s) or patent numbers(s):	
If this document is being filed together with a new application,	the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
09/648,672 09/823,410 09/650,254 09/667,934 10/037,085 09/895,342 09/965,107 09/967,696 09/855,319 10/006,293 10/005,507 10/152,139	
Additional numbers attact	hed? ⊠ Yes □ No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 14
Name: David A. Fox	7. Total fee (37 CFR 3.41):\$ 560.00
Internal Address: Cantor Colburn LLP	☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account
	Authorized to be charged to deposit account
Street Address: 55 Griffin Road South	8. Deposit account number:
	06-1130
City: Bloomfield, State: CT ZIP: 06002	(Attach duplicate copy of this page if paying by deposit account)
	JSE THIS SPACE
 Statement and signature. To the best of my knowledge and belief, the foregoing information of the original document. 	
David A Fox, Registration No. 38,807	September 10, 2002
Name of Person Signing Total number of pages including cover sha	Signature 5 Date

RECORDATION FORM COVER SHEET PATENTS ONLY

Item No. 4, Continued:

A. Patent Application Nos.

10/153,230 09/660,388



CIENA Corporation CIE-0000

Please acknowledge receipt of the Recordation Form Cover Sheet (2 pages; Certificate of Merger (3 pages); Authorization to Charge Deposit Account No. 06-1130; Certificate of Mailing; and Postcard receipt.

Mailed to the United States Patent and Trademark Office via 1st Class Mail on September 10, 2002.

Received in the USPTO on:

RECEIVED

DEC 0 9 2002

Technology Center 2100